

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US96/20522

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(6) : G06F 9/00, 9/30, 9/34, 9/38, 12/00, 12/02, 7/48

US CL : 395/393, 394, 412, 413, 496, 563, 587, 800; 364/747, 748

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 395/393, 394, 412, 413, 496, 563, 587, 800; 364/747, 748

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

MC88110 Second generation RISC Microprocessor User's Manual, MOTOROLA INC., 1991

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Extra Sheet.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,992,938 A (COCKE ET AL.) 12 February 1991, abstract, summary of the invention, figures 1-5 and 9, column 2-6 and 9-10.	1-100
Y, P	US 5,499,352 A (CLIFT ET AL.) 12 March 1996, abstract, summary of the invention, figures 1, 5A-5B, 8A, and 13, column 4 line 15 to column 5 line 6, column 9 lines 5-10, column 10 line 55 to column 11 line 29, column 23 lines 4-13, and column 50 lines 10-20.	1-75

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:		T	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*A*	document defining the general state of the art which is not considered to be of particular relevance	X*	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*E*	earlier document published on or after the international filing date	Y*	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
*L*	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*A*	document member of the same patent family
*O*	document referring to an oral disclosure, use, exhibition or other means		
*P*	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

25 MARCH 1997

Date of mailing of the international search report

23 APR 1997

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT

Authorized officer

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, P	US 5,537,606 A (BYRNE) 16 July 1996, abstract, summary of the invention, figure 1, column 1 lines 13-59, column 5 lines 32-44 and 55-63, column 5 line 21 to column 6 line 50, and column 14 lines 30-67.	8-11, 13-14, 18-31, 40-51, 53-61, 70-73, and 75-100
Y	US 4,229,801 A (WHIPPLE) 21 October 1980, abstract, summary of the invention, figures 2A and 6, column 29 lines 4-27.	97 and 99-100
A, P	US 5,519,841 A (SAGER ET AL.) 21 May 1996.	1-75
A, P	US 5,546,554 A (YUNG ET AL.) 13 August 1996.	1-75

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## B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

APS SEARCH—> Search Terms : floating point, packed data, mapping unit or mapping table, physical register file, stack and non-stack reference manner, tag#, empty and non-empty state, retirement unit, rename unit